C L A I M S

1. A method for operating a speech recognition system, in
   which a program-controlled recognizer (1) performs the
   steps of:
   dissecting a speech signal into frames and computing any
   kind of feature vector for each frame,
   labelling frames by characters or groups of them
   yielding a plurality of labels per phoneme,
   decoding said labels according a predetermined acoustic
   model to construct one or more words or fragments of a
   word,
   in which method a plurality of recognizers are
   accessible to be activated for speech recognition, and
   are combined in order to balance the results of speech
   recognition done by a single recognizer, **characterized
   by the steps of**:
   a) collecting (210, 220, 230, 240) selection base data
   characterizing speech recognition boundary conditions
   with sensor means (5),
   b) using (260) program-controlled arbiter means (6) for
   evaluating the collected data
   c) selecting (290) the best suited recognizer or a
   combination thereof out of the plurality of available
   recognizers according to said evaluation.

2. The method according to claim 1, in which said sensor
   means (5) is one or more of:
   a decision logic, including software program, physical
   sensors or a combination of them.

3. The method according to claim 1, further comprising the
   steps of:
   a) processing (260) a physical sensor (5) output in a

decision logic implementing one or more of: statistical
tests, decision trees, fuzzy membership functions,

b) returning (270) from said process a confidence value
to be used in the sensor select/ combine decision.

4. The method according to claim 1, in which selection base
data which have led to a recognizer select decision, is
stored in a database for a repeated fast access (250)
thereof in order to obtain a fast selection of
recognizers.

5. The method according to claim 1, further comprising the
step of:
selecting (290) the number and/or combination of
recognizers dependent (280) of the current processor
load.

6. The method according to claim 1, further comprising the
step of:
storing the mapping rule (7) how one acoustic model is
transformed to another one, instead of storing a
plurality of models themselves.

7. A computer system having means for performing the steps
of a method according to one of the preceding claims 1
to 6.

8. A computer program for execution in a data processing
system comprising computer program code portions for
performing respective steps of the method according to
anyone of the preceding claims 1 to 6,
when said computer program code portions are executed on
a computer.

9. A computer program product stored on a computer usable
   medium comprising computer readable program means for
   causing a computer to perform the method of anyone of
   the claims 1 to 6,
   when said computer program product is executed on a
   computer.